

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

=> d 19 22 35 ibib abs

L9 ANSWER 22 OF 37 USPATFULL
ACCESSION NUMBER: 2000:9921 USPATFULL
TITLE: **Pharmaceutical** compositions containing at least one NSAID having increased bioavailability
INVENTOR(S): Singh, Amarjit, New Delhi, India
Jain, Rajesh, New Delhi, India
PATENT ASSIGNEE(S): Panacea Biotec Limited, New Delhi, India (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6017932		20000125
APPLICATION INFO.:	US 1997-988211		19971210 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	IN 1996-278096	19961212
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Spivack, Phyllis G.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier & Neustadt, P.C.	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	654	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel composition for increasing the bioavailability of Non-steroidal Anti-inflammatory Drugs (NSAIDs), particularly those belonging to the category which exhibits its activity by selectively inhibiting cyclooxygenases-II (COX-II) and/or lipoxygenases, is disclosed. The composition is characterized in having clinically significant increased bioavailability when compared to the known compositions of the drugs.
(for review by J. S. Tait)
The **pharmaceutical** compositions comprise NSAIDs and **Piperine**, as herein disclosed. Enhanced bioavailability of NSAIDs results in the reduction of both dosages and dose-related side effects.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 35 OF 37 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 935964 EUROPATFULL EW 199933 FS OS
TITLE: **Pharmaceutical** compositions containing NSAIDs and **piperine**.
Pharmazeutische Zusammensetzungen, die NSAIDs und **Piperine** enthalten.
Compositions pharmaceutiques contenant des anti-inflammatoires non steroidiens et de la **piperine**.
INVENTOR(S): Singh, Amarjit, c/o 102 Ashok Plaza, 24 School Lane, New Delhi-110001, IN;
Jain, Rajesh, c/o 102 Ashok Plaza, 24 School Lane, New Delhi-110001, IN
PATENT ASSIGNEE(S): PANACEA BIOTEC LIMITED, 102 Ashok Plaza, 24 School Lane, New Dehli 110001, IN
PATENT ASSIGNEE NO: 2147941
AGENT: Viering, Jentschura & Partner, Postfach 22 14 43, 80504 Muenchen, DE

AGENT NUMBER: 100645
OTHER SOURCE: ESP1999059 EP 0935964 A1 990818
SOURCE: Wila-EPZ-1999-H33-T1b
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE
PATENT INFO.PUB.TYPE: EPA1 EUROPÄISCHE PATENTANMELDUNG
PATENT INFORMATION:

	PATENT NO	KIND DATE
'OFFENLEGUNGS' DATE:	EP 935964	A1 19990818
APPLICATION INFO.:	EP 1998-102450	19980212

=> d his

(FILE 'HOME' ENTERED AT 18:02:09 ON 05 MAR 2003)

FILE 'CAPLUS, USPATFULL, EUROPATFULL, JAPIO, MEDLINE, BIOSIS, EMBASE'
ENTERED AT 18:02:33 ON 05 MAR 2003

L1 0 S (ORAL DOSAGE FORMUALTION#) AND (CAPSAICIN OR (CAPSACUTIN DIHY
L2 2686 S (ORAL?) AND (CAPSAICIN OR (CAPSACUTIN DIHYDROCAPSAICIN) OR NO
L3 662 S L2 AND (TABLET# OR CAPSULE# OR CAPLET#)
L4 341 S L3 AND (EXTEND? OR PROLONG? OR CONTINUOUS? OR (ZERO ORDER))
L5 200 S L4 AND (INHAL? OR RESPIR? OR MAINLIN? OR SNORT? OR HUFF?)
L6 190 S L5 AND (DRUG OR PHARMACEUTICAL OR BIOACTIVE)
L7 55 S L6 AND (SOLID DOSAGE)
L8 0 S L7 AND EXCEDRIN
L9 37 S L7 AND ASPIRIN

=>

=> d his

(FILE 'HOME' ENTERED AT 18:02:09 ON 05 MAR 2003)

FILE 'CAPLUS, USPATFULL, EUROPATFULL, JAPIO, MEDLINE, BIOSIS, EMBASE'
ENTERED AT 18:02:33 ON 05 MAR 2003

L1 0 S (ORAL DOSAGE FORMUALTION#) AND (CAPSAICIN OR (CAPSACUTIN DIHY
L2 2686 S (ORAL?) AND (CAPSAICIN OR (CAPSACUTIN DIHYDROCAPSAICIN) OR NO
L3 662 S L2 AND (TABLET# OR CAPSULE# OR CAPLET#)
L4 341 S L3 AND (EXTEND? OR PROLONG? OR CONTINUOUS? OR (ZERO ORDER))
L5 200 S L4 AND (INHAL? OR RESPIR? OR MAINLIN? OR SNORT? OR HUFF?)
L6 190 S L5 AND (DRUG OR PHARMACEUTICAL OR BIOACTIVE)
L7 55 S L6 AND (SOLID DOSAGE)
L8 0 S L7 AND EXCEDRIN
L9 37 S L7 AND ASPIRIN

=> s (oral? or capsule# or tablet# or caplet#) and (denatonium? or limonin or
linalool? or naringin or quassain or quercitin or (sucrose benzoate) or (sucrose
octaacetate))

L10 1830 (ORAL? OR CAPSULE# OR TABLET# OR CAPLET#) AND (DENATONIUM? OR
LIMONIN OR LINALOOL? OR NARINGIN OR QUASSAIN OR QUERCITIN OR
(SUCROSE BENZOATE) OR (SUCROSE OCTAACETATE))

=> s l10 and (extend? or prolong? or continuous? or (zero order))

L11 785 L10 AND (EXTEND? OR PROLONG? OR CONTINUOUS? OR (ZERO ORDER))

=> s l11 and (inhal? or respir? or mainlin? or snort? or huff?)

L12 180 L11 AND (INHAL? OR RESPIR? OR MAINLIN? OR SNORT? OR HUFF?)

=> s l12 and (drug or pharmaceutical or bioactive)

L13 135 L12 AND (DRUG OR PHARMACEUTICAL OR BIOACTIVE)

=> s l13 and (solid dosage)

L14 10 L13 AND (SOLID DOSAGE)

=> d l14 1-10 ibib abs

L14 ANSWER 1 OF 10 USPATFULL

ACCESSION NUMBER: 2003:45366 USPATFULL
TITLE: Composition for treatment of infections of humans and
 animals
INVENTOR(S): Ninkov, Dusan, Orange City, IA, UNITED STATES
PATENT ASSIGNEE(S): Van Beek Gloval/Ninkov L.L.C., Orange City, IA (U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003032678	A1	20030213
APPLICATION INFO.:	US 2002-143096	A1	20020510 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-499197, filed on 7 Feb 2000, GRANTED, Pat. No. US 6414036		

	NUMBER	DATE
--	--------	------

PRIORITY INFORMATION:	US 1999-151858P	19990901 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Attention of Anna M. Nelson, MERCHANT & GOULD P.C., P.O. Box 2903, Minneapolis, MN, 55402-0903	
NUMBER OF CLAIMS:	43	
EXEMPLARY CLAIM:	1	

NUMBER OF DRAWINGS: 9 Drawing Page(s)

LINE COUNT: 1841

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This disclosure provides **pharmaceutical** compositions which include oil extract from plants from the Labiate family. In particular, the compositions can be formulated by combining extracts of essential oils from plants of the Labiate family with an organic acid or a Group I salt. It is believed that the antimicrobial activity of the **pharmaceutical** composition is due to the presence of organic phenols, such as isopropyl-o-cresol, in the oil extract from the plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 2 OF 10 USPATFULL

ACCESSION NUMBER: 2003:40430 USPATFULL

TITLE: Methods and compositions for improved bioavailability of **bioactive** agents for mucosal delivery

INVENTOR(S): Roser, Bruce J., Cambridge, UNITED KINGDOM
Sanderson, Ian, Hertfordshire, UNITED KINGDOM
Kampinga, Jaap, Groningen, NETHERLANDS

PATENT ASSIGNEE(S): Colaco, Camilo, Cambridge, UNITED KINGDOM
Quadrant Holdings Cambridge, Ltd., UNITED KINGDOM
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6517860	B1	20030211
APPLICATION INFO.:	US 1997-857		19971230 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-33976P	19961231 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Channavajjala, Lakshmi	
LEGAL REPRESENTATIVE:	Saliwanchik, Lloyd & Saliwanchik	
NUMBER OF CLAIMS:	30	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	842	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention encompasses compositions for increased bioavailability through mucosal delivery comprising, preferably in powder form, an intimate mixture of an effective amount of a **bioactive** agent and a hydrophobically derivatized carbohydrate. The compositions can also contain a surface active agent preferably for delivery to gastrointestinal mucosa and ocular delivery.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 3 OF 10 USPATFULL

ACCESSION NUMBER: 2003:30295 USPATFULL

TITLE: Particles with improved solubilization capacity

INVENTOR(S): Anderson, David, Colonial Heights, VA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003022242	A1	20030130
APPLICATION INFO.:	US 2002-176112	A1	20020621 (10)

NUMBER	DATE
--------	------

PRIORITY INFORMATION: US 2001-300476P 20010623 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: WHITHAM, CURTIS & CHRISTOFFERSON, P.C., 11491 SUNSET HILLS ROAD, SUITE 340, RESTON, VA, 20190
NUMBER OF CLAIMS: 204
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 3885

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A particle is disclosed that comprises a first volume of hydrophobe-rich material with tunable dissolution and solubilization characteristics and a distinct second volume of nanostructured nonlamellar liquid crystalline material, said second volume containing said first domain and being capable of being in equilibrium with said first volume. Preferably, the nanostructured nonlamellar liquid crystalline material is capable of being in equilibrium with a polar solvent or a water-immiscible solvent or both.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 4 OF 10 USPATFULL
ACCESSION NUMBER: 2002:160782 USPATFULL
TITLE: Composition for treatment of infections of humans and animals
INVENTOR(S): Ninkov, Dusan, Orange City, IA, United States
PATENT ASSIGNEE(S): Van Beek Global/Ninkov LLC, Orange City, IA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6414036	B1	20020702
APPLICATION INFO.:	US 2000-499197		20000207 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-151858P	19990901 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Weddington, Kevin E.	
LEGAL REPRESENTATIVE:	Merchant & Gould PC	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	1710	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This disclosure provides pharmaceutical compositions which include oil extract from plants from the Labiateae family. In particular, the compositions can be formulated by combining extracts of essential oils from plants of the Labiateae family with an organic acid or a Group I salt. It is believed that the antimicrobial activity of the pharmaceutical composition is due to the presence of organic phenols, such as isopropyl-o-cresol, in the oil extract from the plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 5 OF 10 USPATFULL
ACCESSION NUMBER: 2002:133242 USPATFULL
TITLE: BIOADHESIVE NANOPARTICULATE COMPOSITIONS HAVING CATIONIC SURFACE STABILIZERS
INVENTOR(S): BOSCH, H. WILLIAM, KING OF PRUSSIA, PA, UNITED STATES

COOPER, EUGENE R., KING OF PRUSSIA, PA, UNITED STATES
MCGURK, SIMON L., KING OF PRUSSIA, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002068092	A1	20020606
	US 6428814	B2	20020806
APPLICATION INFO.:	US 1999-414159	A1	19991008 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	FOLEY & LARDNER, 3000 K STREET NW, SUITE 500, WASHINGTON, DC, 200075109		
NUMBER OF CLAIMS:	97		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	26 Drawing Page(s)		
LINE COUNT:	2519		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Bioadhesive nanoparticulate compositions, comprising active agent particles and one or more cationic surface stabilizers, are described. The cationic surface stabilizers prevent aggregation of the nanoparticles and increase bioadhesion of the nanoparticles to biological substrates, such as an insect, teeth, bone, nails, chitin, feathers, scales, mucous, skin, hair, plant tissue, etc. The particles may consist of pharmacologically active compounds (e.g., drug compounds for human or veterinary use), agricultural chemicals (pesticides, herbicides, fertilizers, and the like), cosmetic agents, consumer products (coloring agents, flavors, or fragrances), or other materials which function by interacting with biological substrates. In addition, the invention relates to methods of preparing and using such bioadhesive nanoparticulate compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 6 OF 10 USPATFULL
ACCESSION NUMBER: 2002:67202 USPATFULL
TITLE: Stabilized medicament containing cysteinyl derivatives
INVENTOR(S): Stanislaus, Fritz, Muenchen, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002037855	A1	20020328
APPLICATION INFO.:	US 2001-816769	A1	20010322 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-403160, filed on 5 May 2000, ABANDONED A 371 of International Ser. No. WO 1997-EP1941, filed on 18 Apr 1997, UNKNOWN		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HELLER EHRLICH WHITE & MCAULIFFE LLP, 275 MIDDLEFIELD ROAD, MENLO PARK, CA, 94025-3506		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1064		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a stabilized medicament with an amount of active ingredients containing cysteine groups and NSAID compounds, wherein a stabilization of the combination, especially the active ingredients containing the cysteine group, can be conducted with a mixture of at least three anti-oxidative components. The therapeutic and prophylactic use of this medicament stabilized in this manner lies in the field of the prevention and therapy of inflammatory diseases among the fields of medical indications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 7 OF 10 USPATFULL

ACCESSION NUMBER: 2001:218473 USPATFULL
TITLE: Novel use of flavones
INVENTOR(S): Wenzel, Uwe, Freising, Germany, Federal Republic of
Daniel, Hannelore, Freising, Germany, Federal Republic
of

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001046963	A1	20011129
APPLICATION INFO.:	US 2001-782306	A1	20010214 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-185179P	20000225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Messrs. Keil & Weinkauf, 1101 Connecticut Ave. N.W., Washington, DC, 20036	

NUMBER OF CLAIMS: 12

EXEMPLARY CLAIM: 1

LINE COUNT: 781

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A pharmaceutical composition for inhibiting COX-2 biosynthesis comprising a therapeutically effective amount of the compound of formula I and a pharmaceutically acceptable carrier. ##STR1##

wherein R.sup.1 and R.sup.4 represent either Hydrogen or together a bond

R.sup.5, R.sup.6, R.sup.7, R.sup.8 represent independently of each other Hydrogen, Hydroxy or Methoxy; in addition R.sup.7 represents a sugar substituent like glucoside, rutinosid, manno gluco pyransyl, aprosylglucoside

R.sup.2 and R.sup.3 represent Hydrogen, Hydroxy, Methoxy or ##STR2##

wherein R.sup.2', R.sup.3', R.sup.4', R.sup.5' and R.sup.6'

are independently or each other Hydrogen, Hydroxy or Methoxy with the proviso, that R.sup.2 or R.sup.3 is represented by the optionally substituted Phenylring.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 8 OF 10 USPATFULL

ACCESSION NUMBER: 2001:199758 USPATFULL
TITLE: Solid delivery systems for controlled release of molecules incorporated therein and methods of making same
INVENTOR(S): Roser, Bruce J., Cambridge, Great Britain
Colaco, Camilo, Cambridge, Great Britain
Jerrow, Mohammed A.Z., Aberdeen, Great Britain
Blair, Julian, St. Ives, Great Britain
Kampinga, Jaap, Groningen, Netherlands
Wardell, James Lewis, Aberdeen, Great Britain
Duffy, John Alistair, Aberdeen, Great Britain

	NUMBER	KIND	DATE

PATENT INFORMATION: US 2001038858 A1 20011108
APPLICATION INFO.: US 2001-755737 A1 20010105 (9)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1997-500877, filed on 18 Aug 1997, ABANDONED A 371 of International Ser. No. WO 1995-GB1861, filed on 4 Aug 1995, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1994-15810	19940804
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Madeline I. Johnston, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA, 94304-1018	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	18 Drawing Page(s)	
LINE COUNT:	2272	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention encompasses solid dose delivery systems for administration of guest substances. Preferred delivery systems are suitable for delivery of **bioactive** materials to subcutaneous and intradermal, intramuscular, intravenous tissue, the delivery system being sized and shaped for penetrating the epidermis. The delivery systems comprises a vitreous vehicle loaded with the guest substance and capable of releasing the guest substance in situ at various controlled rates. The present invention further includes methods of making and using the solid dose delivery systems.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 9 OF 10 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1138337 EUROPATFULL EW 200140 FS OS STA R
TITLE: Solid delivery systems for controlled release of molecules incorporated therein and methods of making same.
Feste Verabreichungssysteme zur gesteuerten Freisetzung von darin eingebauten Molekülen sowie Verfahren zu deren Herstellung.
Systemes d'administration de substances solides pour la libération contrôlée de molécules incorporées dans ces substances et procédés de fabrication de ces systèmes.
INVENTOR(S): Roser, Bruce Joseph, 4 Archway Court, Barton Road, Cambridge CB3 9LW, GB;
Colaco, Camilo, 107 Foster Way, Trumpington, Cambridge CB2 2JN, GB;
Blair, Julian Alexander, Quadrant Holdings Cambridge Limited, 1 Mere Way, Ruddington, Nottingham NG11 6JS, GB;
Kampinga, Jaap, Rietveldlaan 35, 9731 MJ Groningen, NL
PATENT ASSIGNEE(S): QUADRANT HOLDINGS CAMBRIDGE LIMITED, 1 Mere Way, Ruddington, Nottingham NG11 7JS, GB
PATENT ASSIGNEE NO: 1445341
AGENT: Perry, Robert Edward, GILL JENNINGS & EVERY Broadgate House 7 Eldon Street, London EC2M 7LH, GB
AGENT NUMBER: 41331
OTHER SOURCE: BEPA2001078 EP 1138337 A2 0039
SOURCE: Wila-EPZ-2001-H40-T2b
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veröffentlichung in Englisch

DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE; R LT; R LV; R SI

PATENT INFO.PUB.TYPE: EPA2 EUROPÄISCHE PATENTANMELDUNG

PATENT INFORMATION:

PATENT NO	KIND DATE
-----------	-----------

EP 1138337	A2 20011004
------------	-------------

20011004

'OFFENLEGUNGS' DATE:

APPLICATION INFO.: EP 2001-116638

PRIORITY APPLN. INFO.: GB 1994-15810 19940804

US 1994-349029 19941202

RELATED DOC. INFO.: EP 773781 DIV

L14 ANSWER 10 OF 10 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1138319 EUROPATFULL EW 200140 FS OS STA R

TITLE: Solid delivery systems for controlled release of molecules incorporated therein and methods of making same.

Feste Verabreichungssysteme zur gesteuerten Freisetzung von darin eingebauten Molekülen sowie Verfahren zu deren Herstellung.

Systèmes d'administration de substances solides pour la libération contrôlée de molécules incorporées dans ces substances et procédés de fabrication de ces systèmes.

INVENTOR(S): Roser, Bruce Joseph, 4 Archway Court, Barton Road, Cambridge CB3 9LW, GB;
Colaco, Camilo, 107 Foster Way, Trumpington, Cambridge CB3 9LW, GB;
Jarrow, Mohamed Abdel Zahra, 30c Willowbank Road, Aberdeen AB1 24H, GB;
Blair, Julian Alexander, Quadrant Holdings Cambridge Limited, 1 Mere Way, Ruddington, Nottingham NG11 6JS, GB;
Kampinga, Jaap, Rietveldlaan 35, 9731 MJ Groningen, NL;
Wardell, James Lewis, 1 Harcourt Road, Aberdeen AB2 4NY, GB;
Duffy, John Alistair, 43 Beechgrove Terrace, Aberdeen AB2 4DS, GB

PATENT ASSIGNEE(S): QUADRANT HOLDINGS CAMBRIDGE LIMITED, 1 Mere Way, Ruddington, Nottingham NG11 7JS, GB

PATENT ASSIGNEE NO: 1445341

AGENT: Perry, Robert Edward, GILL JENNINGS & EVERY Broadgate House 7 Eldon Street, London EC2M 7LH, GB

41331

AGENT NUMBER: BEPA2001078 EP 1138319 A2 0039

OTHER SOURCE: Wila-EPZ-2001-H40-T1b

SOURCE: Patent

DOCUMENT TYPE: Anmeldung in Englisch; Veröffentlichung in Englisch

LANGUAGE: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE; R LT; R LV; R SI

DESIGNATED STATES: EPA2 EUROPÄISCHE PATENTANMELDUNG

PATENT INFORMATION:

PATENT NO	KIND DATE
-----------	-----------

EP 1138319	A2 20011004
------------	-------------

20011004

'OFFENLEGUNGS' DATE:

APPLICATION INFO.: EP 2001-116637 19950804

PRIORITY APPLN. INFO.: GB 1994-15810 19940804
US 1994-349029 19941202
RELATED DOC. INFO.: EP 773781 DIV

=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptau153cxa

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
NEWS 33 Dec 02 TIBKAT will be removed from STN
NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMЕС no longer available
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 43 Feb 13 CANCERLIT is no longer being updated

NEWS 44 Feb 24 METADEX enhancements
NEWS 45 Feb 24 PCTGEN now available on STN
NEWS 46 Feb 24 TEMA now available on STN
NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 48 Feb 26 PCTFULL now contains images
NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
 CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 08:43:16 ON 06 MAR 2003

FILE 'CAPLUS' ENTERED AT 08:44:17 ON 06 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 08:44:17 ON 06 MAR 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EUROPATFULL' ENTERED AT 08:44:17 ON 06 MAR 2003
COPYRIGHT (c) 2003 WILA Verlag Muenchen (WILA)

FILE 'JAPIO' ENTERED AT 08:44:17 ON 06 MAR 2003
COPYRIGHT (C) 2003 Japanese Patent Office (JPO)- JAPIO

FILE 'MEDLINE' ENTERED AT 08:44:17 ON 06 MAR 2003

COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (B)

FILE 'EMBASE' ENTERED AT 08:44:17 ON 06 MAR 2003
COPYRIGHT (C) 2003 Elsevier Science B.V. All rights reserved.

=> s (table or capsule) and (denatonium? or limonin or linalool
isomers? or...) (dissolve in water)

L1 3063 (TABLE OR CAPSULE) AND (DENATONIUM? OR LIMONIN OR LINALOOL? OR

NARINGIN OR QUASSIN OR QUERCITIN OR (SUCROSE BENZOATE) OR (SUCROSE OCTAACETATE))

=> s 11 and (extend? or prolong? or continuous? or (zero order) or delay? or sustained or target? or pulsatile or constant)

4 FILES SEARCHED...

L2 2084 L1 AND (EXTEND? OR PROLONG? OR CONTINUOUS? OR (ZERO ORDER) OR DELAY? OR SUSTAINED OR TARGET? OR PULSATILE OR CONSTANT)

=> s 12 qand tablet

MISSING OPERATOR L2 QAND

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 12 and tablet

L3 436 L2 AND TABLET

=> s 13 and abuse

L4 11 L3 AND ABUSE

=> d 14 1-11 ibib abs

L4 ANSWER 1 OF 11 USPATFULL

ACCESSION NUMBER: 2003:44402 USPATFULL

TITLE: Opioid agonist /antagonist combinations

INVENTOR(S): Kaiko, Robert F., Weston, CT, UNITED STATES

Colucci, Robert D., Newtown, CT, UNITED STATES

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2003031712 A1 20030213

APPLICATION INFO.: US 2002-244783 A1 20020916 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-815167, filed on 22 Mar 2001, GRANTED, Pat. No. US 6475494 Continuation of Ser. No. US 1998-218662, filed on 22 Dec 1998, GRANTED, Pat. No. US 6277384

| NUMBER | DATE |
|--------|------|
|--------|------|

PRIORITY INFORMATION: US 1997-68480P 19971222 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Davidson, Davidson & Kappel, LLC, 14th Floor, 485 Seventh Avenue, New York, NY, 10018

NUMBER OF CLAIMS: 35

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 11 Drawing Page(s)

LINE COUNT: 2205

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is directed in part to oral dosage forms comprising a combination of an orally analgesically effective amount of an opioid agonist and an orally active opioid antagonist, the opioid antagonist being included in a ratio to the opioid agonist to provide a combination product which is analgesically effective when the combination is administered orally, but which is aversive in a physically dependent subject. Preferably, the amount of opioid antagonist included in the combination product provides at least a mildly negative, "aversive" experience in physically dependent addicts (e.g., precipitated abstinence syndrome).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 11 USPATFULL
ACCESSION NUMBER: 2002:246381 USPATFULL
TITLE: Skin care composition
INVENTOR(S): Barrett, Karen Elizabeth, Bedford, UNITED KINGDOM
Green, Martin Richard, Bedford, UNITED KINGDOM
Hu, Heng-Long, Gloucester, UNITED KINGDOM
Parmar, Preyesh, Bedford, UNITED KINGDOM
Powell, Jonathan Richard, Bedford, UNITED KINGDOM
Rawlings, Anthony Vincent, Wirral, UNITED KINGDOM
PATENT ASSIGNEE(S): Elizabeth Arden Co., div. of Conopco, Inc., New York,
NY, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6455057 | B1 | 20020924 |
| APPLICATION INFO.: | US 2000-628737 | | 20000728 (9) |

| | NUMBER | DATE |
|-----------------------|--|----------|
| PRIORITY INFORMATION: | GB 1999-18030 | 19990730 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Dees, Jose G. | |
| ASSISTANT EXAMINER: | George, Konata M. | |
| LEGAL REPRESENTATIVE: | PLotkin, Ellen | |
| NUMBER OF CLAIMS: | 7 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 0 Drawing Figure(s); 0 Drawing Page(s) | |
| LINE COUNT: | 534 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A topical composition comprising:

- (a) petroselinic acid and/or derivatives thereof;
- (b) a phenolic compound and/or mixtures thereof; and
- (c) a dermatologically acceptable vehicle.

The product is particularly useful for treating wrinkles and soothing sensitive skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 11 USPATFULL
ACCESSION NUMBER: 2002:119359 USPATFULL
TITLE: Compositions and methods for use of extracts of rutaceae plants
INVENTOR(S): Stogniew, Martin, Blue Bell, PA, UNITED STATES
Chambliss, Walter, Memphis, TN, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2002061339 | A1 | 20020523 |
| APPLICATION INFO.: | US 2001-948019 | A1 | 20010906 (9) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2000-235920P | 20000928 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711 | |

NUMBER OF CLAIMS: 54
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Page(s)
LINE COUNT: 1822

AB The invention relates to compositions and methods for preventing, treating, or managing anxiety, pain, chronic pain, depression, and disorders such as premenstrual syndrome comprising the administration of a prophylactically and therapeutically effective amount of Rutaceae plant or extracts thereof to a mammal in need of such therapy. In a preferred embodiment, the mammal is human and the extracts are substantially free of the compounds obacunone or limonin. The invention also relates to compositions and methods for preventing, treating, or managing separation anxiety in domestic animals comprising the administration of a prophylactically and therapeutically effective amount of Rutaceae plant or extracts thereof to an animal in need of such therapy.

L4 ANSWER 4 OF 11 USPATFULL

ACCESSION NUMBER: 2002:112932 USPATFULL
TITLE: Opioid agonist/opioid antagonist/acetaminophen combinations
INVENTOR(S): Kaiko, Robert F., Weston, CT, UNITED STATES
Colucci, Robert D., Newtown, CT, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 2002058673 | A1 | 20020516 |
| APPLICATION INFO.: | US 2001-992936 | A1 | 20011105 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2000-503020, filed on 11 Feb 2000, PENDING Continuation-in-part of Ser. No. US 1998-218662, filed on 22 Dec 1998, GRANTED, Pat. No. US 6277384 | | |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 1997-68480P | 19971222 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | DAVIDSON, DAVIDSON & KAPPEL, LLC, 485 SEVENTH AVENUE, 14TH FLOOR, NEW YORK, NY, 10018 | |
| NUMBER OF CLAIMS: | 36 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 12 Drawing Page(s) | |
| LINE COUNT: | 2480 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is directed in part to oral dosage forms comprising a combination of an opioid agonist, acetaminophen and an orally active opioid antagonist, the opioid antagonist being included in a ratio to the opioid agonist to provide a combination product which is analgesically effective when the combination is administered orally, but which is aversive in a physically dependent subject. Preferably, the amount of opioid antagonist included in the combination product provides at least a mildly negative, "aversive" experience in physically dependent addicts (e.g., precipitated abstinence syndrome).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 11 USPATFULL

ACCESSION NUMBER: 2002:112328 USPATFULL
TITLE: Pharmaceutical dosage form for pulsatile delivery of methylphenidate

INVENTOR(S): Midha, Kamal K., Hamilton, CANADA
Iorio, Theodore L., Millis, MA, UNITED STATES
Chungi, Shubha, Sharon, MA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 2002058061 | A1 | 20020516 |
| APPLICATION INFO.: | US 2001-992353 | A1 | 20011113 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2000-544732, filed on 6 Apr 2000, PENDING | | |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 1999-127984P | 19990406 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | REED & ASSOCIATES, 800 MENLO AVENUE, SUITE 210, MENLO PARK, CA, 94025 | |
| NUMBER OF CLAIMS: | 42 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 815 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel pharmaceutical dosage forms provide for **pulsatile** delivery of methylphenidate, i.e., release encapsulated drug in spaced apart "pulses." The dosage forms are comprised of first, second and optionally third dosage units, with each dosage unit having a different drug release profile. The dosage forms may comprise capsules housing compressed tablets or drug-containing beads or particles, or may comprise a single **tablet** with the first, second and optionally third dosage units each representing an integral and discrete segment thereof. Methods of treatment using the pharmaceutical dosage forms are provided as well.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 11 USPATFULL
ACCESSION NUMBER: 2002:88001 USPATFULL
TITLE: Opioid agonist/opioid antagonist/acetaminophen combinations
INVENTOR(S): Kaiko, Robert F., Weston, CT, United States
Colucci, Robert D., Newtown, CT, United States
PATENT ASSIGNEE(S): Euro-Celtique, S.A., Luxembourg, LUXEMBOURG (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 6375957 | B1 | 20020423 |
| APPLICATION INFO.: | US 2000-503020 | | 20000211 (9) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1998-218662, filed on 22 Dec 1998 | | |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 1997-68480P | 19971222 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Page, Thurman K. | |
| ASSISTANT EXAMINER: | Ware, Todd D | |
| LEGAL REPRESENTATIVE: | Davidson, Davidson & Kappel, LLC | |
| NUMBER OF CLAIMS: | 55 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 19 Drawing Figure(s); 12 Drawing Page(s) | |

LINE COUNT: 2580

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is directed in part to oral dosage forms comprising a combination of an opioid agonist, acetaminophen and an orally active opioid antagonist, the opioid antagonist being included in a ratio to the opioid agonist to provide a combination product which is analgesically effective when the combination is administered orally, but which is aversive in a physically dependent subject. Preferably, the amount of opioid antagonist included in the combination product provides at least a mildly negative, "aversive" experience in physically dependent addicts (e.g., precipitated abstinence syndrome).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 11 USPATFULL

ACCESSION NUMBER: 2002:22465 USPATFULL

TITLE: Opioid agonist /antagonist combinations

INVENTOR(S): Kaiko, Robert F., Weston, CT, UNITED STATES
Colucci, Robert D., Newtown, CT, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 2002013301 | A1 | 20020131 |
| | US 6475494 | B2 | 20021105 |
| APPLICATION INFO.: | US 2001-815167 | A1 | 20010322 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1998-218662, filed on 22 Dec 1998, GRANTED, Pat. No. US 6277384 | | |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 1997-68480P | 19971222 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | DAVIDSON, DAVIDSON & KAPPEL, LLC, 485 SEVENTH AVENUE, 14TH FLOOR, NEW YORK, NY, 10018 | |
| NUMBER OF CLAIMS: | 35 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 11 Drawing Page(s) | |
| LINE COUNT: | 2208 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is directed in part to oral dosage forms comprising a combination of an orally analgesically effective amount of an opioid agonist and an orally active opioid antagonist, the opioid antagonist being included in a ratio to the opioid agonist to provide a combination product which is analgesically effective when the combination is administered orally, but which is aversive in a physically dependent subject. Preferably, the amount of opioid antagonist included in the combination product provides at least a mildly negative, "aversive" experience in physically dependent addicts (e.g., precipitated abstinence syndrome).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 11 USPATFULL

ACCESSION NUMBER: 2002:13804 USPATFULL

TITLE: Pharmaceutical dosage form for pulsatile delivery of methylphenidate

INVENTOR(S): Midha, Kamal K., Hamilton, BERMUDA
Iorio, Theodore L., Millis, MA, United States
Chungi, Shubha, Sharon, MA, United States

PATENT ASSIGNEE(S): Armaquest, Inc., Hamilton, BERMUDA (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6340476 | B1 | 20020122 |
| APPLICATION INFO.: | US 2000-544732 | | 20000406 (9) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 1999-127984P | 19990406 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Page, Thurman K. | |
| ASSISTANT EXAMINER: | Di Nola-Baron, Liliana | |
| LEGAL REPRESENTATIVE: | Reed, Dianne E., Reed & Associates | |
| NUMBER OF CLAIMS: | 56 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 0 Drawing Figure(s); 0 Drawing Page(s) | |
| LINE COUNT: | 838 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel pharmaceutical dosage forms provide for pulsatile delivery of methylphenidate, i.e., release encapsulated drug in spaced apart "pulses." The dosage forms are comprised of first, second and optionally third dosage units, with each dosage unit having a different drug release profile. The dosage forms may comprise capsules housing compressed tablets or drug-containing beads or particles, or may comprise a single tablet with the first, second and optionally third dosage units each representing an integral and discrete segment thereof. Methods of treatment using the pharmaceutical dosage forms are provided as well.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 11 USPATFULL
 ACCESSION NUMBER: 2001:229235 USPATFULL
 TITLE: METHOD FOR USING SOLUBLE CURCUMIN TO INHIBIT PHOSPHORYLASE KINASE IN INFLAMMATORY DISEASES
 INVENTOR(S): HENG, MADALENE C.Y., NORTHRIDGE, CA, United States

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 2001051184 | A1 | 20011213 |
| APPLICATION INFO.: | US 1999-315856 | A1 | 19990520 (9) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | ATTN: DAVID A. FARAH. M.D., SHELDON & MAK, 225 SOUTH LAKE AVENUE, SUITE 900, PASADENA, CA, 91101 | | |
| NUMBER OF CLAIMS: | 115 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 13 Drawing Page(s) | | |
| LINE COUNT: | 4191 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The compound curcumin, derived from turmeric, inhibits phosphorylase kinase and, by doing so, exhibits a number of physiological effects related to the control of inflammation and cellular proliferation. However, curcumin is effective only when in solution. Curcumin is almost completely insoluble in water or in oils, but is soluble in alcohols. Accordingly, a method for treating inflammation in a mammal comprising administering curcumin in a solution containing at least one alcohol to a mammal to detectably inhibit the activity of phosphorylase kinase in the blood of the mammal or in a tissue of the mammal. The alcohol is preferably ethanol, 1-propanol, or 2-propanol; most preferably, it is ethanol. Instead of curcumin, a curcumin derivative or curcuminoid can

be administered. The method can further comprise the administration of at least one additional compound that can be (1) vitamin D_{sub}.3 and vitamin D_{sub}.3 analogues; (2) vitamin A, vitamin A derivatives, and vitamin A analogues (3) a calmodulin inhibitor; (4) an anti-inflammatory drug; (5) a calcium channel blocker; (6) a H₁ or H₂ histamine blocker; (7) an antioxidant; (8) a polyphenolic compound; (9) a monoterpene; (10) genistein; (11) a soybean derived lectin; and (12) dehydrozingerone. Another aspect of the present invention is a pharmaceutical composition comprising curcumin, a curcuminoid, or a curcumin derivative in a solution containing at least one alcohol, at least one additional compound as described above, and a pharmaceutically acceptable carrier.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 10 OF 11 USPATFULL

ACCESSION NUMBER: 2001:136192 USPATFULL
TITLE: Opioid agonist/antagonist combinations
INVENTOR(S): Kaiko, Robert F., Weston, CT, United States
Colucci, Robert D., Newtown, CT, United States
PATENT ASSIGNEE(S): Euro-Celtique S.A., Luxembourg, United States (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6277384 | B1 | 20010821 |
| APPLICATION INFO.: | US 1998-218662 | | 19981222 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1997-68480, filed on 22 Dec 1997 | | |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 1997-68480P | 19971222 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Page, Thurman K. | |
| ASSISTANT EXAMINER: | Ware, Todd D. | |
| LEGAL REPRESENTATIVE: | Davidson, Davidson & Kappell, LLC | |
| NUMBER OF CLAIMS: | 50 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 19 Drawing Figure(s); 11 Drawing Page(s) | |
| LINE COUNT: | 2259 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is directed in part to oral dosage forms comprising a combination of an orally analgesically effective amount of an opioid agonist and an orally active opioid antagonist, the opioid antagonist being included in a ratio to the opioid agonist to provide a combination product which is analgesically effective when the combination is administered orally, but which is aversive in a physically dependent subject. Preferably, the amount of opioid antagonist included in the combination product provides at least a mildly negative, "aversive" experience in physically dependent addicts (e.g., precipitated abstinence syndrome).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 11 OF 11 USPATFULL

ACCESSION NUMBER: 2001:55482 USPATFULL
TITLE: Pharmaceutical dosage form for pulsatile delivery of d-threo-methylphenidate and a second CNS stimulant
INVENTOR(S): Midha, Kamal K., Hamilton, Bermuda
Teicher, Martin H., Waltham, MA, United States

> s (oral dosage) and abuse

L1 449 (ORAL DOSAGE) AND ABUSE

=> s l1 and (avers? or bitter or bitrex or (denanatronium benzoate) or agaric? or (benzyl acetate) or brucine? or caffeine or capsaicin or saccharide or (diethyl phthalate) or epicatechin or genistein or gentian? or gerianol or hydroxytyrosol or kashin or limonin ir linalool)

L2 134 L1 AND (AVERS? OR BITTER OR BITREX OR (DENANATRONIUM BENZOATE) OR AGARIC? OR (BENZYL ACETATE) OR BRUCINE? OR CAFFEINE OR CAPSAICIN OR SACCHARIDE OR (DIETHYL PHTHALATE) OR EPICATECHIN OR GENISTEIN OR GENTIAN? OR GERIANOL OR HYDROXYTYROSOL OR KASHIN OR LIMONIN IR LINALOOL)

=> s 12 and ((methyl anthranilate) or naringin or nobiletin or oleuropin or (phenylethyl alcohol) or polyphenol# or quassin or quebracho or quercitin or quinine? or sinensetin or (sucrose benzoate) or (scrose octaacetate) or tangeretin)

L3 0 L2 AND ((METHYL ANTHRANILATE) OR NARINGIN OR NOBILETIN OR OLEUR OPIN OR (PHENYLETHYL ALCOHOL) OR POLYPHENOL# OR QUASSIN OR QUEBRACHO OR QUERCITIN OR QUININE? OR SINENSETIN OR (SUCROSE BENZOATE) OR (SCROSE OCTAACETATE) OR TANGERETIN)

=> s 13 and ((respiratory irritant) or capsaicin? or capsic? or capsacutin or dihydrocapsaicin norhidrocapsaicin or homocapsaicin or homodihydrocapsaicin or gingerol or mace or piperine or isochavicine or isopiperine or piperidine or chavicine or piperettine or zingerone)

<-----User Break----->

SEARCH ENDED BY USER

=>

=> s 13 and ((respiratory irritant) or capsaicin? or capsic? or capsacutin or dihydrocapsaicin or norhidrocapsaicin or homocapsaicin or homodihydrocapsaicin or gingerol or mace or piperine or isochavicine or isopiperine or piperidine or chavicine or piperettine or zingerone)

3 FILES SEARCHED...

L4 0 L3 AND ((RESPIRATORY IRRITANT) OR CAPSAICIN? OR CAPSIC? OR CAPSACUTIN OR DIHROCAPSAICIN OR NORHIDROCAPSAICIN OR HOMOCAPSAICIN OR HOMODIHYDROCAPSAICIN OR GINGEROL OR MACE OR PIPERINE OR ISOCHAVICINE OR ISOPIPERINE OR PIPERIDINE OR CHAVICINE OR PIPERETTINE OR ZINGERONE)

=> s 12 and ((respiratory irritant) or capsaicin? or capsic? or capsacutin or dihydrocapsaicin or norhidrocapsaicin or homocapsaicin or homodihydrocapsaicin or gingerol or mace or piperine or isochavicine or isopiperine or piperidine or chavicine or piperettine or zingerone)

3 FILES SEARCHED...

L5 44 L2 AND ((RESPIRATORY IRRITANT) OR CAPSAICIN? OR CAPSIC? OR CAPSACUTIN OR DIHROCAPSAICIN OR NORHIDROCAPSAICIN OR HOMOCAPSAICIN OR HOMODIHYDROCAPSAICIN OR GINGEROL OR MACE OR PIPERINE OR ISOCHAVICINE OR ISOPIPERINE OR PIPERIDINE OR CHAVICINE OR PIPERETTINE OR ZINGERONE)

=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptau153cxa

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
 saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
 now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKLIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
NEWS 33 Dec 02 TIBKAT will be removed from STN
NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMECT no longer available
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
 ENERGY, INSPEC
NEWS 43 Feb 13 CANCERLIT is no longer being updated

NEWS 44 Feb 24 METADEX enhancements
NEWS 45 Feb 24 PCTGEN now available on STN
NEWS 46 Feb 24 TEMA now available on STN
NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 48 Feb 26 PCTFULL now contains images

| | |
|--------------|---|
| NEWS EXPRESS | January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002 |
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS INTER | General Internet Information |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS PHONE | Direct Dial and Telecommunication Network Access to STN |
| NEWS WWW | CAS World Wide Web Site (general information) |

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 15:01:28 ON 28 FEB 2003

=> file caplus uspatful europatful japio medline biosis embase
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 2.31 2.31

FILE 'CAPLUS' ENTERED AT 15:08:04 ON 28 FEB 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 15:08:04 ON 28 FEB 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EUROPATFULL' ENTERED AT 15:08:04 ON 28 FEB 2003
COPYRIGHT (c) 2003 WILA Verlag Muenchen (WILA)

FILE 'JAPIO' ENTERED AT 15:08:04 ON 28 FEB 2003
COPYRIGHT (C) 2003 Japanese Patent Office (JPO)- JAPIO

FILE 'MEDLINE' ENTERED AT 15:08:04 ON 28 FEB 2003

FILE 'BIOSIS' ENTERED AT 15:08:04 ON 28 FEB 2003
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'EMBASE' ENTERED AT 15:08:04 ON 28 FEB 2003
COPYRIGHT (C) 2003 Elsevier Science B.V. All rights reserved.

=> s (oral dos?) and abuse
L1 976 (ORAL DOS?) AND ABUSE

=> s 11 and (avers? or irritant# or bitter or sour)

L2 98 L1 AND (AVERS? OR IRRITANT# OR BITTER OR SOUR)

=> s 12 and nocicept?

L3 36 L2 AND NOCICEPT?

=> s 13 and (bitter or botrex or denatronium? or agaric? or (benzyl acetate) or brucine? or caffeine or cpasaicin or catechin or dadzein or (diethyl phthalate) or epicatechin or genistein or (gentian violet) or gerianol)

L4 18 L3 AND (BITTER OR BOTREX OR DENATRONIUM? OR AGARIC? OR (BENZYL ACETATE) OR BRUCINE? OR CAFFEINE OR CPASAICIN OR CATECHIN OR DADZEIN OR (DIETHYL PHTHALATE) OR EPICATECHIN OR GENISTEIN OR (GENTIAN VIOLET) OR GERIANOL)

=> s 14 and (hydroxytyrosol or kashin or limonin or linalool? or (methyl anthranilate or naringin or nobiletin or oleuropin or (phenylethyl alcohol) or polyphenol# or quassin or quebracho or quercitin or quinine? or sinesetin or sucrose? or tangeretin)

UNMATCHED LEFT PARENTHESIS 'AND (HYDROXYTYR'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s 14 and (hydroxytyrosol or kashin or limonin or linalool? or (methyl anthranilate) or naringin or nobiletin or oleuropin or (phenylethyl alcohol) or polyphenol# or quassin or quebracho or quercitin or quinine? or sinesetin or sucrose? or tangeretin)

L5 18 L4 AND (HYDROXYTYROSOL OR KASHIN OR LIMONIN OR LINALOOL? OR (METHYL ANTHRANILATE) OR NARINGIN OR NOBILETIN OR OLEUROPIN OR (PHENYLETHYL ALCOHOL) OR POLYPHENOL# OR QUASSIN OR QUEBRACHO OR QUERCITIN OR QUININE? OR SINESETIN OR SUCROSE? OR TANGERETIN)

=> s 15 and (oral or respirat? or ihnal? or snort? or mainlin? or huff? or nasal?)

L6 18 L5 AND (ORAL OR RESPIRAT? OR IHNAL? OR SNORT? OR MAINLIN? OR HUFF? OR NASAL?)

=> d 16 1-18 ibib abs

L6 ANSWER 1 OF 18 USPATFULL

ACCESSION NUMBER: 2002:325998 USPATFULL

TITLE: Kappa agonist compounds, pharmaceutical formulations and method of prevention and treatment of pruritus therewith

INVENTOR(S): Zhang, Wei Yuan, Collegeville, PA, United States
Maycock, Alan L., Malvern, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Kumar, Virendra, Paoli, PA, United States
Gaul, Forrest, Glen Moore, PA, United States
Guo, Deqi, Phoenixville, PA, United States
PATENT ASSIGNEE(S): Adolor Corporation, Exton, PA, United States (U.S. corporation)

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

----- ----- -----

PATENT INFORMATION: US 6492351 B1 20021210

APPLICATION INFO.: US 2001-803901 20010313 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1999-372191, filed on 11 Aug 1999, now patented, Pat. No. US 6239154, issued on 29 May 2001 Continuation-in-part of Ser. No. US 1998-150369, filed on 9 Sep 1998, now patented, Pat. No. US 6303611, issued on 16 Oct 2001 Continuation-in-part of Ser. No. US 1998-34661, filed on 3 Mar 1998, now patented, Pat. No. US 5945443, issued on 31 Aug 1999 Division of Ser. No. US

1997-899086, filed on 23 Jul 1997, now patented, Pat. No. US 5744458, issued on 28 Apr 1998 Division of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955, issued on 18 Nov 1997 Continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151, issued on 8 Jul 1997

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Lambkin, Deborah C.
ASSISTANT EXAMINER: Sackey, Ebenezer
LEGAL REPRESENTATIVE: Woodcock Washburn LLP
NUMBER OF CLAIMS: 1
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 6832
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The compounds of formulae IIA, the structure: ##STR1##

wherein

R.sub.1, R.sub.2, and X.sub.4, X.sub.5, n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 18 USPATFULL
ACCESSION NUMBER: 2002:192093 USPATFULL
TITLE: Kappa agonist compounds, pharmaceutical formulations and method of prevention and treatment of pruritus therewith
INVENTOR(S): Zhang, Wei Yuan, Collegeville, PA, UNITED STATES
Maycock, Alan L., Malvern, PA, UNITED STATES
Marella, Anthony Michael, Exton, PA, UNITED STATES
Kumar, Virendra, Paoli, PA, UNITED STATES
Gaul, Forrest, Glen Moore, PA, UNITED STATES
Guo, Deqi, Phoenixville, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 2002103164 | A1 | 20020801 |
| | US 6476063 | B2 | 20021105 |
| APPLICATION INFO.: | US 2001-803976 | A1 | 20010313 (9) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1999-372191, filed on 11 Aug 1999, GRANTED, Pat. No. US 6239154 Continuation-in-part of Ser. No. US 1998-150369, filed on 9 Sep 1998, PENDING Continuation-in-part of Ser. No. US 1998-34661, filed on 3 Mar 1998, GRANTED, Pat. No. US 5945443
Division of Ser. No. US 1997-899086, filed on 23 Jul 1997, GRANTED, Pat. No. US 5744458 Division of Ser. No. US 1997-796078, filed on 5 Feb 1997, GRANTED, Pat. No. US 5688955 Continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, GRANTED, Pat. No. US 5646151 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | PEPPER HAMILTON, 600 FOURTEENTH STREET NW, WASHINGTON, DC, 20005 | | |
| NUMBER OF CLAIMS: | 7 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 7524 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for the prevention or treatment of pruritus with anti-pruritic compounds is provided.

The compounds of formulae I, II, IIA, III, IIIA, IV and IVA have the structure: ##STR1##

wherein

R.sub.1, R.sub.2, R.sub.3, R.sub.4; and

X, X.sub.4, X.sub.5, X.sub.7, X.sub.9;

Y, Z and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 18 USPATFULL

ACCESSION NUMBER: 2002:119359 USPATFULL
TITLE: Compositions and methods for use of extracts of rutaceae plants
INVENTOR(S): Stogniew, Martin, Blue Bell, PA, UNITED STATES
Chambliss, Walter, Memphis, TN, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2002061339 | A1 | 20020523 |
| APPLICATION INFO.: | US 2001-948019 | A1 | 20010906 (9) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2000-235920P | 20000928 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711 | |
| NUMBER OF CLAIMS: | 54 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 4 Drawing Page(s) | |
| LINE COUNT: | 1822 | |

AB The invention relates to compositions and methods for preventing, treating, or managing anxiety, pain, chronic pain, depression, and disorders such as premenstrual syndrome comprising the administration of a prophylactically and therapeutically effective amount of Rutaceae plant or extracts thereof to a mammal in need of such therapy. In a preferred embodiment, the mammal is human and the extracts are substantially free of the compounds obacunone or limonin. The invention also relates to compositions and methods for preventing, treating, or managing separation anxiety in domestic animals comprising the administration of a prophylactically and therapeutically effective amount of Rutaceae plant or extracts thereof to an animal in need of such therapy.

L6 ANSWER 4 OF 18 USPATFULL

ACCESSION NUMBER: 2002:116296 USPATFULL
TITLE: Kappa agonist compounds and pharmaceutical formulations thereof
INVENTOR(S): Zhang, Wei Yuan, Collegeville, PA, United States
Maycock, Alan L., Malvern, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Kumar, Virendra, Paoli, PA, United States
Gaul, Forrest, Glen Moore, PA, United States

PATENT ASSIGNEE(S): Chang, An-Chih, Rochester, MN, United States
Guo, Deqi, Phoenixville, PA, United States
Adolor Corporation, Exton, PA, United States (U.S.
corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 6391910 | B1 | 20020521 |
| APPLICATION INFO.: | US 2000-478482 | | 20000106 (9) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1998-150369, filed on 9 Sep 1998 Continuation-in-part of Ser. No. US 1998-34661, filed on 3 Mar 1998, now patented, Pat. No. US 5945443
Division of Ser. No. US 1997-899086, filed on 23 Jul 1997, now patented, Pat. No. US 5744458 Division of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 Continuation of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151 | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Higel, Floyd D.
ASSISTANT EXAMINER: Sackey, Ebenezer
LEGAL REPRESENTATIVE: Hamilton L.L.P., Pepper, Villacerta, Gilberto M..
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 6683

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics are provided.

The compounds of formulae I, II, IIA, III, IIIA, IV and IVA have the structure: ##STR1##

wherein

R.sub.1, R.sub.2, R.sub.3, R.sub.4; and

X, X.sub.4, X.sub.5, X.sub.7, X.sub.9;

Y, Z and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 18 USPATFULL
ACCESSION NUMBER: 2002:78742 USPATFULL
TITLE: Kappa agonist compounds, pharmaceutical formulations and method of prevention and treatment of pruritus therewith
INVENTOR(S): Kruse, Lawrence I., Haddonfield, NJ, UNITED STATES
Chang, An-Chih, Bensalem, PA, UNITED STATES
DeHaven-Hudkins, Diane L., Chester Springs, PA, UNITED STATES
Farrar, John J., Chester Springs, PA, UNITED STATES
Gaul, Forrest, Douglassville, PA, UNITED STATES
Kumar, Virendra, Paoli, PA, UNITED STATES
Marella, Michael Anthony, Philadelphia, PA, UNITED STATES
Maycock, Alan L., Malvern, PA, UNITED STATES
Zhang, Wei Yuan, Collegeville, PA, UNITED STATES
PATENT ASSIGNEE(S): Adolor Corporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 2002042399 | A1 | 20020411 |
| APPLICATION INFO.: | US 2001-769450 | A1 | 20010126 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1999-436057, filed on 8 Nov 1999, GRANTED, Pat. No. US 6180623 Division of Ser. No. US 1999-307517, filed on 7 May 1999, GRANTED, Pat. No. US 6028063 Division of Ser. No. US 1998-45522, filed on 21 Mar 1998, GRANTED, Pat. No. US 5981513 Division of Ser. No. US 1997-891833, filed on 14 Jul 1997, GRANTED, Pat. No. US 5763445 Continuation-in-part of Ser. No. US 1997-796078, filed on 5 Feb 1997, GRANTED, Pat. No. US 5688955 Continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, GRANTED, Pat. No. US 5646151 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | Pepper Hamilton LLP, 600 Fourteenth Street, N.W., Washington, DC, 20005 | | |
| NUMBER OF CLAIMS: | 24 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 5184 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and 5 method of using them as analgesics and pruritic agents are provided.

The compounds of formulae I, II, III and IV have the structure:
##STR1##

wherein

X, X.sub.4, X.sub.5, X.sub.7, X.sub.9;

R.sub.1, R.sub.2, R.sub.3, R.sub.4; and

Y, Z and n are as described in the specification

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 18 USPATFULL
 ACCESSION NUMBER: 2002:22460 USPATFULL
 TITLE: Kappa agonist compounds, pharmaceutical formulations and method of prevention and treatment of pruritus therewith
 INVENTOR(S): Zhang, Wei Yuan, Collegeville, PA, UNITED STATES
 Maycock, Alan L., Malvern, PA, UNITED STATES
 Marella, Michael Anthony, Exton, PA, UNITED STATES
 Kumar, Virendra, Paoli, PA, UNITED STATES
 Gaul, Forrest, Glen Moore, PA, UNITED STATES
 Guo, Deqi, Phoenixville, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 2002013296 | A1 | 20020131 |
| APPLICATION INFO.: | US 6486165 | B2 | 20021126 |
| RELATED APPLN. INFO.: | US 2001-803957 | A1 | 20010313 (9) |
| | Division of Ser. No. US 1999-372191, filed on 11 Aug 1999, GRANTED, Pat. No. US 6239154 Continuation-in-part of Ser. No. US 1998-150369, filed on 9 Sep 1998, PENDING Continuation-in-part of Ser. No. US 1998-34661, filed on 3 Mar 1998, GRANTED, Pat. No. US 5945443 | | |

Division of Ser. No. US 1997-899086, filed on 23 Jul 1997, GRANTED, Pat. No. US 5744458 Division of Ser. No. US 1997-796078, filed on 5 Feb 1997, GRANTED, Pat. No. US 5688955 Continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, GRANTED, Pat. No. US 5646151

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE: PEPPER HAMILTON, 600 FOURTEENTH STREET NW, WASHINGTON, DC, 20005

NUMBER OF CLAIMS:

7

EXEMPLARY CLAIM:

1

LINE COUNT: 7612

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for the prevention or treatment of pruritus with anti-pruritic compounds is provided.

The compounds of formulae I, II, IIA, III, IIIA, IV and IVA have the structure: ##STR1##

wherein

R.sub.1, R.sub.2, R.sub.3, R.sub.4; and

X, X.sub.4, X.sub.5, X.sub.7, X.sub.9;

Y, Z and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 18 USPATFULL

ACCESSION NUMBER: 2001:179103 USPATFULL
TITLE: Kappa agonist compounds and pharmaceutical formulations thereof

INVENTOR(S): Zhang, Wei Yuan, Collegeville, PA, United States
Maycock, Alan L., Malvern, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Kumar, Virendra, Paoli, PA, United States
Gaul, Forrest, Glen Moore, PA, United States
Chang, An-Chih, Rochester, MN, United States
Guo, Deqi, Phoenixville, PA, United States
PATENT ASSIGNEE(S): Adolor Corporation, Malvern, PA, United States (U.S. corporation)

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 6303611 B1 20011016
APPLICATION INFO.: US 1998-150369 19980909 (9)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-34661, filed on 3 Mar 1998 Division of Ser. No. US 1997-899086, filed on 23 Jul 1997, now patented, Pat. No. US 5744458 Division of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 Continuation of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151

DOCUMENT TYPE:

Utility

FILE SEGMENT:

GRANTED

PRIMARY EXAMINER:

McKane, Joseph K.

LEGAL REPRESENTATIVE:

Balogh, Imre

NUMBER OF CLAIMS:

5

EXEMPLARY CLAIM:

1

LINE COUNT: 6955

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics are provided.

The compounds of formula having the structure: ##STR1##

wherein

R.sub.1, R.sub.2, and X Y, Z, Ar and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 18 USPATFULL

ACCESSION NUMBER: 2001:79178 USPATFULL

TITLE: Kappa agonist compounds pharmaceutical formulations and method of prevention and treatment of pruritus therewith

INVENTOR(S): Zhang, Wei Yuan, Collegeville, PA, United States
Maycock, Alan L., Malvern, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Kumar, Virendra, Paoli, PA, United States
Gaul, Forrest, Glen Moore, PA, United States
Guo, Deqi, Phoenixville, PA, United States
PATENT ASSIGNEE(S): Adolor Corporation, Exton, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6239154 | B1 | 20010529 |
| APPLICATION INFO.: | US 1999-372191 | | 19990811 (9) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1998-150369, filed on 9 Sep 1998 Continuation-in-part of Ser. No. US 1998-34661, filed on 3 Mar 1998, now patented, Pat. No. US 5945443 Division of Ser. No. US 1997-899086, filed on 23 Jul 1997, now patented, Pat. No. US 5744458 Division of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 Continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151 | | |

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Higel, Floyd D.

ASSISTANT EXAMINER: Sackey, Ebenezer

LEGAL REPRESENTATIVE: Villacorta, Gilberto M. Pepper Hamilton, LLP

NUMBER OF CLAIMS: 2

EXEMPLARY CLAIM: 1

LINE COUNT: 7145

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for the prevention or treatment of pruritis by administering to a patient an antipruritic compound, or pharmaceutically acceptable salt thereof, of the class arylacetamide, which is exemplified by compounds of the formulae I, II, IIIA, III, IV and IVA having the structures:
##STR1##

and in which R.sub.1-4, X, X.sub.4, X.sub.5, X.sub.7, X.sub.9, Y and Z are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 18 USPATFULL

ACCESSION NUMBER: 2001:14479 USPATFULL

TITLE: Kappa agonist compounds, pharmaceutical formulations
 and method of prevention and treatment of pruritus
 therewith
 INVENTOR(S): Kruse, Lawrence I., Haddonfield, NJ, United States
 Chang, An-Chih, Bensalem, PA, United States
 DeHaven-Hudkins, Diane L., Chester Springs, PA, United
 States
 Farrar, John J., Chester Springs, PA, United States
 Gaul, Forrest, Douglassville, PA, United States
 Kumar, Virendra, Paoli, PA, United States
 Marella, Michael Anthony, Philadelphia, PA, United
 States
 Maycock, Alan L., Malvern, PA, United States
 Zhang, Wei Yuan, Collegeville, PA, United States
 PATENT ASSIGNEE(S): Adolor Corporation, Malvern, PA, United States (U.S.
 corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6180623 | B1 | 20010130 |
| APPLICATION INFO.: | US 1999-436057 | | 19991108 (9) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1999-307517, filed on 7 May 1999, now patented, Pat. No. US 6028063 Division of Ser. No. US 1998-45522, filed on 21 Mar 1998, now patented, Pat. No. US 5981513 Division of Ser. No. US 1997-891833, filed on 14 Jul 1997, now patented, Pat. No. US 5763445 Continuation-in-part of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 Continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151 | | |

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Tsang, Cecilia
 ASSISTANT EXAMINER: Wright, Sonya
 LEGAL REPRESENTATIVE: Villacorta, Gilberto M. Pepper Hamilton LLP
 NUMBER OF CLAIMS: 8
 EXEMPLARY CLAIM: 1
 LINE COUNT: 4707
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and methods of using them as analgesics and anti-pruritic agents are provided.

The compounds of formula IV have the structure: ##STR1##

wherein

X.sub.9 ;

R.sub.1, R.sub.2, R.sub.3, R.sub.4 ; and

n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 18 USPATFULL
 ACCESSION NUMBER: 2000:54106 USPATFULL
 TITLE: Kappa agonist compounds pharmaceutical formulations and
 method of prevention and treatment of pruritus
 therewith
 INVENTOR(S): Zhang, Wei Yuan, Collegeville, PA, United States

PATENT ASSIGNEE(S):

Maycock, Alan L., Malvern, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Kumar, Virendra, Paoli, PA, United States
Gaul, Forrest, Glen Moore, PA, United States
Chang, An-Chih, Rochester, MN, United States
Guo, Deqi, Phoenixville, PA, United States
Adolor Corporation, Malvern, PA, United States (U.S.
corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 6057323 | | 200000502 |
| APPLICATION INFO.: | US 1998-183011 | | 19981030 (9) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1998-150369, filed on 9 Sep 1998 which is a continuation-in-part of Ser. No. US 1998-34661, filed on 3 Mar 1998 which is a division of Ser. No. US 1997-899086, filed on 23 Jul 1997, now patented, Pat. No. US 5744458 which is a division of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 which is a continuation of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151 | | |

DOCUMENT TYPE:

Utility

FILE SEGMENT:

Granted

PRIMARY EXAMINER:

McKane, Joseph K.

LEGAL REPRESENTATIVE:

Balogh, Imre

NUMBER OF CLAIMS:

2

EXEMPLARY CLAIM:

1

LINE COUNT:

7275

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics and anti-pruritic agents are provided.

The compound of formula I, having the structure: ##STR1## wherein R.sub.1, R.sub.2 ;

X; and Ar

Y, Z and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 18 USPATFULL

ACCESSION NUMBER: 2000:50695 USPATFULL

TITLE: Kappa agonist compounds pharmaceutical formulations and method of prevention and treatment of pruritis therewith

INVENTOR(S):

Zhang, Wei Yuan, Collegeville, PA, United States
Maycock, Alan L., Malvern, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Kumar, Virendra, Paoli, PA, United States
Gaul, Forrest, Glen Moore, PA, United States
Chang, An-Chih, Rochester, MN, United States
Guo, Deqi, Phoenixville, PA, United States

PATENT ASSIGNEE(S):

Adolor Corporation, Malvern, PA, United States (U.S.
corporation)

| | NUMBER | KIND | DATE |
|--|--------|------|------|
|--|--------|------|------|

PATENT INFORMATION:

US 6054445 20000425

APPLICATION INFO.:

US 1999-307387 19990507 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1998-183011, filed on 30 Oct 1998 which is a continuation-in-part of Ser. No. US 1998-150369, filed on 9 Sep 1998 which is a continuation-in-part of Ser. No. US 1998-34661, filed on 3 Mar 1998, now patented, Pat. No. US 5945443 which is a division of Ser. No. US 1997-899086, filed on 23 Jul 1997, now patented, Pat. No. US 5744458 which is a division of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 which is a continuation of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: McKane, Joseph K.

LEGAL REPRESENTATIVE: Balogh, Imre

NUMBER OF CLAIMS: 1

EXEMPLARY CLAIM: 1

LINE COUNT: 7163

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics and anti-pruritic agents are provided. The compound of formulae IIA, having the structure: ##STR1## wherein R.sub.1, R.sub.2 ;

X.sub.4, X.sub.5 ; and

Ar and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 18 USPATFULL

ACCESSION NUMBER: 2000:21557 USPATFULL

TITLE: Kappa agonist compounds, pharmaceutical formulations and method of prevention and treatment of pruritus therewith

INVENTOR(S): Kruse, Lawrence I., Haddonfield, NJ, United States
Chang, An-Chih, Bensalem, PA, United States
DeHaven-Hudkins, Diane L., Chester Springs, PA, United States

Farrar, John J., Chester Springs, PA, United States

Gaul, Forrest, Douglassville, PA, United States

Kumar, Virendra, Paoli, PA, United States

Marella, Michael Anthony, Philadelphia, PA, United States

Maycock, Alan L., Malvern, PA, United States

Zhang, Wei Yuan, Collegeville, PA, United States

PATENT ASSIGNEE(S): Adolor Corporation, Malvern, PA, United States (U.S. corporation)

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 6028063 20000222

APPLICATION INFO.: US 1999-307517 19990507 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1998-45522, filed on 21 Mar 1998 which is a division of Ser. No. US 1997-891833, filed on 14 Jul 1997, now patented, Pat. No. US 5763445 which is a continuation-in-part of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 which is a continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted
PRIMARY EXAMINER: McKane, Joseph
LEGAL REPRESENTATIVE: Balogh, Imre
NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1
LINE COUNT: 4884

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics and anti-pruritic agents are provided.

The compounds of formula III having the structure: ##STR1## wherein Ar and X.⁷ ;

R._{sub.1} and R._{sub.2} ; and

n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 18 USPATFULL
ACCESSION NUMBER: 1999:141920 USPATFULL
TITLE: Kappa agonist compounds, pharmaceutical formulations and method of prevention and treatment of pruritus therewith
INVENTOR(S): Kruse, Lawrence I., Haddonfield, NJ, United States
Chang, An-Chih, Phoenixville, PA, United States
DeHaven-Hudkins, Diane L., Chester Springs, PA, United States
Farrar, John J., Chester Springs, PA, United States
Gaul, Forrest, Glen Moore, PA, United States
Kumar, Virendra, Paoli, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Maycock, Alan L., Malvern, PA, United States
Zhang, Wei Yuan, Collegeville, PA, United States
PATENT ASSIGNEE(S): Adolor Corporation, Malvern, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5981513 | | 19991109 |
| APPLICATION INFO.: | US 1998-45522 | | 19980321 (9) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1997-891833, filed on 14 Jul 1997, now patented, Pat. No. US 5763445 which is a continuation-in-part of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 which is a continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151 | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: McKane, Joseph K.
LEGAL REPRESENTATIVE: Balogh, Imre
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 4855

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics and anti-pruritic agents are provided. The compounds of formula II having the structure: ##STR1## wherein X._{sub.4}, X._{sub.5} ;

R._{sub.1}, R._{sub.2} ; and

Ar and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 18 USPATFULL
ACCESSION NUMBER: 1999:102832 USPATFULL
TITLE: Kappa agonist compounds and pharmaceutical formulations thereof
INVENTOR(S): Kruse, Lawrence I., Haddonfield, NJ, United States
Chang, An-Chih, Phoenixville, PA, United States
DeHaven-Hudkins, Diane L., Chester Springs, PA, United States
States
Farrar, John J., Chester Springs, PA, United States
Gaul, Forrest, Glen Moore, PA, United States
Kumar, Virendra, Paoli, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Maycock, Alan L., Malvern, PA, United States
Zhang, Wei Yuan, Collegeville, PA, United States
PATENT ASSIGNEE(S): Adolor Corporation, Malvern, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5945443 | | 19990831 |
| APPLICATION INFO.: | US 1998-34661 | | 19980303 (9) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1997-899086, filed on 23 Jul 1997, now patented, Pat. No. US 5744458 which is a division of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 which is a continuation of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151 | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: McKane, Joseph K.
LEGAL REPRESENTATIVE: Balogh, Imre
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
LINE COUNT: 4556

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics are provided. The compound of formulae IV having the structure: ##STR1## wherein X.sub.9 ;

R.sub.1, R.sub.2, R.sub.3, R.sub.4 ;

and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 15 OF 18 USPATFULL
ACCESSION NUMBER: 1998:65227 USPATFULL
TITLE: Kappa agonist compounds pharmaceutical formulations and method of prevention and treatment of pruritus therewith
INVENTOR(S): Kruse, Lawrence I., Haddonfield, NJ, United States
Chang, An-Chih, Bensalem, PA, United States
DeHaven-Hudkins, Diane L., Chester Springs, PA, United States
States
Farrar, John J., Chester Springs, PA, United States
Gaul, Forrest, Douglassville, PA, United States
Kumar, Virendra, Paoli, PA, United States

PATENT ASSIGNEE(S):
Marella, Michael Anthony, Philadelphia, PA, United States
Maycock, Alan L., Malvern, PA, United States
Zhang, Wei Yuan, Collegeville, PA, United States
Adolor Corporation, Malvern, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5763445 | | 19980609 |
| APPLICATION INFO.: | US 1997-891833 | | 19970714 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 which is a continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | McKane, Joseph | | |
| LEGAL REPRESENTATIVE: | Balogh, Imre | | |
| NUMBER OF CLAIMS: | 3 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 4965 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics and anti-pruritic agents are provided.

The compounds of formular I, II, III and IV have the structure: ##STR1## wherein X, X.₄, X.₅, X.₇, X.₉ ;

R.₁, R.₂, R.₃, R.₄ ; and

Y, Z and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 16 OF 18 USPATFULL
ACCESSION NUMBER: 1998:45193 USPATFULL
TITLE: Kappa agonist compounds and pharmaceutical formulations thereof
INVENTOR(S): Kruse, Lawrence I., Haddonfield, NJ, United States
Chang, An-Chih, Phoenixville, PA, United States
DeHaven-Hudkins, Diane L., Chester Springs, PA, United States
Farrar, John J., Chester Springs, PA, United States
Gaul, Forrest, Glen Moore, PA, United States
Kumar, Virendra, Paoli, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Maycock, Alan L., Malvern, PA, United States
Zhang, Wei Yuan, Collegeville, PA, United States
Adolor Corporation, Malvern, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5744458 | | 19980428 |
| APPLICATION INFO.: | US 1997-899086 | | 19970723 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1997-796078, filed on 5 Feb 1997, now patented, Pat. No. US 5688955 which is a continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996, now patented, Pat. No. US 5646151 | | |
| DOCUMENT TYPE: | Utility | | |

FILE SEGMENT: Granted
PRIMARY EXAMINER: McKane, Joseph
LEGAL REPRESENTATIVE: Balogh, Imre
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
LINE COUNT: 4618

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics are provided.

The compound of formula II has the structure: ##STR1## wherein X._{sub.4}, X._{sub.5} ;

R._{sub.1}, R._{sub.2} ; and

Ar and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 17 OF 18 USPATFULL
ACCESSION NUMBER: 97:107236 USPATFULL
TITLE: Kappa agonist compounds and pharmaceutical formulations thereof
INVENTOR(S): Kruse, Lawrence I., Haddonfield, NJ, United States
Chang, An-Chih, Phoenixville, PA, United States
DeHaven-Hudkins, Diane L., Chester Springs, PA, United States
Farrar, John J., Chester Springs, PA, United States
Gaul, Forrest, Glen Moore, PA, United States
Kumar, Virendra, Paoli, PA, United States
Marella, Michael Anthony, Exton, PA, United States
Maycock, Alan L., Malvern, PA, United States
Zhang, Wei Yuan, Collegeville, PA, United States
PATENT ASSIGNEE(S): Adolor Corporation, Malvern, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5688955 | | 19971118 |
| APPLICATION INFO.: | US 1997-796078 | | 19970205 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1996-612680, filed on 8 Mar 1996 | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: McKane, Joseph
LEGAL REPRESENTATIVE: Balogh, Imre
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
LINE COUNT: 4645

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having kappa opioid agonist activity, compositions containing them and method of using them as analgesics are provided.

The compounds of formulae I, II, III and IV have the structure: ##STR1## wherein X, X._{sub.4}, X._{sub.5}, X._{sub.7}, X._{sub.9} ;

R._{sub.1}, R._{sub.2}, R._{sub.3}, R._{sub.4} ; and

Y, Z and n are as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 18 OF 18 USPATFULL
ACCESSION NUMBER: 97:59209 USPATFULL
TITLE: Kappa agonist compounds and pharmaceutical formulations thereof
INVENTOR(S): Kruse, Lawrence I., Haddonfield, NJ, United States
Kumar, Virendra, Paoli, PA, United States
Chang, An-Chih, Phoenixville, PA, United States
DeHaven-Hudkins, Diane L., Chester Springs, PA, United States
Farrar, John J., Chester Springs, PA, United States
Maycock, Alan L., Malvern, PA, United States
PATENT ASSIGNEE(S): Adolor Corporation, Malvern, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 5646151 | | 19970708 |
| APPLICATION INFO.: | US 1996-612680 | | 19960308 (8) |

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: McKane, Joseph

NUMBER OF CLAIMS: 10

EXEMPLARY CLAIM: 1

LINE COUNT: 1630

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds, compositions and method of treating hyperalgesia comprising a compound of formula I, II, III and IV as defined in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.